

**Notice of Allowability**

Application No.

10/038,412

Examiner

Cheryl M. Fernandes

Applicant(s)

BELLEW, MATTHEW A.

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 18 May 2005.
2. ☒ The allowed claim(s) is/are 1-8 and 20-27.
3. ☒ The drawings filed on 23 August 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_



**HOSAIN ALAM**  
**SUPERVISORY PATENT EXAMINER**



**DETAILED ACTION**

***Response to Arguments***

1. Applicant's arguments, see pages 9-17, filed May 18, 2005, with respect to claims 1-8 and 20-27 have been fully considered and are persuasive. The rejection of claims 1-8 and 20-27 has been withdrawn.

**EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Kyle Flindt on July 7, 2005. The application has been amended as follows: Claims 9-19 and 28-38 have been cancelled without prejudice. Applicants will be allowed to file a continuation on the cancelled claims.

***Allowable Subject Matter***

3. Claims 1-8 and 20-27 are allowed.

4. The following is an examiner's statement of reasons for allowance:

Referring to claims 1 and 20, Sridhar teaches presenting a first plurality of fields of a first table for selection for use in a data processing operation, receiving a selection of a first field that is a member of said first fields, determining whether said selected first field is a first designated look-up field for looking up first one or more of a second plurality of fields of a second table, and presenting said second plurality of fields for selection for use in said data processing operation if it is determined that that said selected first field is a first designated look-up field for looking up first one or more of said second plurality of fields of said second table.

Bosworth teaches constructing queries that make changes to data stored in a database wherein Bosworth shows a set of SQL expressions in demonstrating a query with reference to two tables.

Neither of these references taken alone or in combination teach a method and apparatus having all of the claimed features of Applicant's instant invention, specifically including "generating a SQL statement, including with said generated SQL statement field or fields to be selected from said basis table and a FROM clause enumerating said basis table, and if the data processing statement was determined to contain one or more fields to be looked up from one or more target tables, further including among said field or fields to be selected said one or more fields to be looked up from said one or more target tables, and one or more JOIN clauses respectively joining said basis table

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and said one or more target tables, and one or more corresponding ON clauses respectively specifying one or more corresponding conditions on which rows of said basis and said one or more target tables are to be joined, each of said one or more conditions comprising a corresponding look-up field". It is for these reasons that Applicant's invention defines over the prior art.

Claims 2-8 and 21-27 depend from claims 1 and 20 respectively and are therefore also allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cheryl M. Fernandes whose telephone number is (571) 272-4018. The examiner can normally be reached on 9:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on (571) 272-4023. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

July 7, 2005  
CF

  
**HOSAIN ALAM**  
**SUPERVISORY PATENT EXAMINER**